

Operator Training

Internally Lined Steel Tank

D H E C



PROMOTE



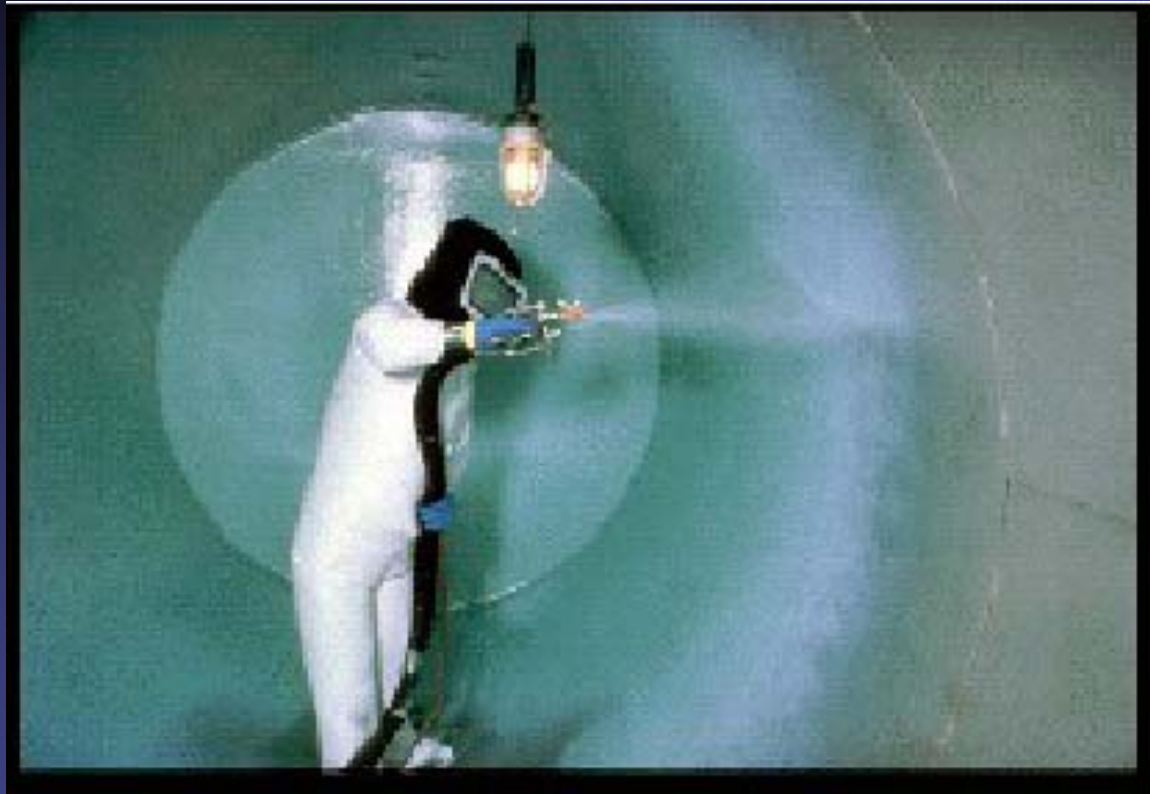
PROTECT



PROSPER

South Carolina Department of Health
and Environmental Control

Internally Lined Steel Tanks



By 1998, all bare steel tanks had to be upgraded to meet new cathodic protection requirements. One method for this was to empty the tank, clean the tank, and then apply a fiberglass lining to the inside wall of the tank.


Internally Lined Steel Tanks

Within 10 years of installing the lining, the tanks must be internally inspected. This can be done by the use of a camera or by a person physically entering the tank. After the 10-year inspection, the tank must then have an internal inspection every 5 years.



Internally Lined Steel Tanks

Tank owners must keep records of the lining installation and the manufacturer's warranty. Also, all records of the lining inspections should be kept.



Shop Location: 4801 Slough Road, Concord, N. C. 28027 Phone: (704) 785-0001, Fax: (704) 785-0008 Mailing Address: P.O. Box 940, Harrisburg, N. C. 28075

December 29, 2005

United Parcel Service
1782 Old Dunbar Road
West Columbia, SC 29172

ATTN: DANIEL HERRERA

SUBJECT: INSPECTION CERTIFICATION OF (2) 10,000 GALLON UST'S PER API 1631 SPECIFICATIONS.

Dear Daniel,


This letter is the report certifying that the (2) 10,000 Gallon UST's at United Parcel Service, 1782 Old Dunbar Road W. Columbia, SC was inspected per API 1631 Specifications and found to be in good condition and suitable for service. The inspection was completed on 11/18/05. A written Ultra-Sonic Thickness report is attached.







INSPECTION REPORT:
Tank #1- 10,000 GALLON REGULAR GASOLINE

- The interior of tank was visually inspected and looked in good shape. No apparent leaks or damage to the tank itself. The lining had some delaminated areas that we repaired.
- UT readings showed the tanks were in good structural shape
- MII thickness readings (Lining Thickness) showed the lining to be averaging 60 to 90 Mils with no visible rust showing.

INSPECTION REPORT:
Tank #2- 10,000 GALLON DIESEL

- The interior of tank was visually inspected and looked in good shape. No apparent leaks, delaminating of the lining or damage to the tank itself.
- UT readings showed the tanks were in good structural shape
- MII thickness readings (Lining Thickness) showed the lining to be averaging 60 to 90 Mils, the lining looks good with no visible rust showing.
- The Instrument used to measure the lining thickness was: Positest Dry Film Thickness Gage with a range 25 to 250 Mils
- Instrument used to measure the steel thickness was: Krautkramer Banson DM4 UT Tester
- The tanks were resealed and ready for service.

We appreciate the opportunity to serve you.
Sincerely,
SUPERIOR INDUSTRIAL MAINTENANCE COMPANY, INC.

Todd Cecil
Project Manager

Internally Lined Steel Tanks

If an impressed current cathodic protection system was installed at the same time the tank was lined or before the lining was 10-years old and the integrity of the tank was ensured when the cathodic protection was installed, only the cathodic protection system testing is required not the internal inspections.

Please see the Impressed Current Cathodic Protection module if this situation applies to your facility.